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dollars (\$1000), being the amount of City Loan belonging to the Society, falling due January 1, 1878.

Resolved, That the Treasurer be authorized to invest the proceeds of said loan under the direction of the Committee on Finance.

And the meeting was adjourned.

Stated Meeting, Jan. 18, 1878.

Present, 15 members.

Vice-President, Mr. E. K. PRICE, in the Chair.

Dr. T. B. Reid, a lately elected member, was introduced to the presiding officer and took his seat.

A letter of envoy was received from the Royal Observatory, Greenwich, London, S. E., Dec. 27, 1877.

A letter requesting the continuance of exchanges and the completion of a set of Transactions A. P. S. was received from the Linnean Society of Bordeaux, dated Dec. 30, 1877.

Donations for the Library were received from the Ed. *Revue Politique*; M. Melsens; the R. Belgian Academy; Ed. *Nature*; Leeds Phil. and Lit. Society; Canadian Naturalist; Cornell University; Philadelphia Academy of Natural Sciences; Pharmaceutical Association; Franklin Institute; Penn Monthly; Medical News; American Journal Medical Sciences; Prof. E. D. Cope; Mr. Henry Philips, Jr.; Mr. Lorin Blodget; Ed. Robinson's *Epitome of Literature*; Bureau of Education and Engineer Department, Washington; Ed. *Western Inventor*, Cincinnati; and *Ministerio de Fomento*, Mexico.

The death of Benjamin Hallowell, of Sandy Springs, Md., and also

The death of Thos. F. Betton, of Germantown, was reported on the occasion of the stated annual reading of the list of the surviving members of the Society.

The death of Marcus Bull, formerly of Philadelphia, and of Theodore Mommson, of Berlin, was also reported.

Mr. Lesley read a letter from G. S. Blake, an officer on the U. S. Frigate, *Java*, in 1830, dated Nov. 12. 1877 (?), to Dr. Hedge of Harvard College, containing two extracts from his Journal, July 15, 1830, Port Mahon, and July 30, 1830, Algiers, respecting Dr. Timison, Surgeon U. S. N., on board the *Java*, the grandson of Red Jacket, and a pure Seneca Indian, who was graduated at Schenectady, N. Y., and died when the *Java* touched at Algiers. At Port Mahon Dr. Jimison encountered a Kabyle chief, a prisoner, addressed him in the Seneca language, and reported to Mr. Blake that the Kabyle evidently comprehended him. The death of Jimison prevented further experiments with Kabyles on their arrival at Algiers.

“LONGWOOD, Saturday, 12th November.

“MY DEAR SIR:—A few days since, you expressed a wish that I would give you, in writing, the particulars of the incident which I related at the dinner at Mr. G. B. B’s, and which we both regard as one of considerable interest. I cannot do better, perhaps, than to give you an extract from my journal :

“‘Frigate “*Java*.” Port Mahon, Island of Minorca, 15th July, 1830.

“‘The French frigate which arrived recently from Algiers, completed her quarantine, and took pratique this morning, and sails soon for Toulon. She has on board a number of Kabyles, captured in the engagement of the 24th June, near Torrechica.

“‘Dr. Jimison, who happened to be at the Lazaretto when she was admitted to pratique, took me aside on his return, and told me that he caught the eye of one of the prisoners (a chief he thought), and that, as he returned his glance, seemingly with interest, he ventured to speak to him, and addressed him in the language of the Seneca tribe of Indians, and that to his inexpressible surprise, *they certainly, to some extent, could understand each other*. I tried to draw from him some particulars in regard to the nature of their communication, but could not, except that it related to the late military events. I am deeply interested in the matter, and it is understood between us, that when we arrive at Algiers, he will endeavor to following it up in my presence.

“‘Friday, July 30th. At 6 P. M., anchored off Algiers, and 10 o’clock, Assistant Surgeon Jacob Jimison died. He was to me, a most interesting person. He was of the Seneca tribe of Indians, of pure blood, so said, the son a chief, and a grand-son of the celebrated “Red Jacket.” He was

educated carefully, and a graduate of Schenectady College. He entered the Navy in January, 1828 ; this was his first cruise.'

"I cultivated his acquaintance, which was rather difficult to do, for he was grave, thoughtful, and very taciturn, but, perhaps he was as intimate with me as with any other ward room officer.

"He died of a land fever, after an illness of about ten days.

"All this is very vague, but you will take it for what it is worth. I will only add, that Jimison was not, in my opinion, a person likely by any means, to play upon the credulity of any one. He most certainly, fully believed what he related to me.

"Believe me with great respect and regard, yours,

"G. S. BLAKE.

"REV. DR. HEDGE."

Prof. Cope made, through the Secretaries, a written communication on the occurrence of the remains of man in association with those of extinct vertebrata in Oregon, entitled :

"PLIOCENE MAN.—Prof. Cope stated that he had received from Oregon a collection of fossils from an ancient lake bed of Pliocene age, which includes the following species of *Mammalia* : *Elephas primigenius*, *Equus occidentalis* ; *E. major* ; *Auchenia hesternia* ; *Auchenia magna* ; *Auchenia vitakeriana* sp. nov. ; *Myiodon sodalis* ; *Lutra ? piscinaria* and *Canis latrans*.

"Of Birds : bones not distinguishable from those *Podiceps occidentalis* and *Podilymbus podiceps* ; others of *Graculus* larger than those of *Graculus dilophus*. Fishes : *Catostomidae* and *Cyprinidae*, of extinct species of *Alburnops* and *Anchybopsis*. Mingled in the same deposit in undistinguishable relation, were found numerous flakes with arrow and spear heads of obsidian, many of them much tarnished by long erosion. All were lying mingled together on the surface of a bed of clay, which was covered by a deposit of 'volcanic sand and ashes' of from fifteen to twenty feet in depth. This had been drifted away by the wind in some localities, thus exposing the remains. Great numbers of specimens of the fresh water-shell *Carinifex newberryi*, of a white color, were found with the vertebrate fossils. The locality is the basin of a lake, a small remnant of which still remains and is visited by numbers of *Mammalia* and water-birds at the present time."

Mr. Chase presented some equations of relation between planetary masses, times and distances, in all of which the velocity of light entered as an important factor.

Mr. Lesley was elected Librarian.

The Standing Committees were re-elected without change.

The Roll of Surviving Members was read.

Pending nominations, Nos. 840 to 851, and new nomination 852 were read, spoken to and balloted for, and on scrutiny of the ballot boxes by the presiding officer the following persons were declared duly elected members of the Society:

840. Mr. I. F. Mansfield, of Cannelton, Beaver Co., Pa.

841. Prof. I. C. White, of West Virginia University, Morgantown, W. Va.

842. Mr. F. A. Randall, of Warren, Pennsylvania.

843. Mr. Burnett Landreth, of Bristol, Pa.

844. Mr. John Price Wetherill, of Philadelphia.

845. Mr. Elisha Gray, Sc. D., of Chicago, Ill.

846. Mr. Simon Newcomb, of the Superintendent Nautical Almanac Office at Washington, D. C.

847. Mr. Asaph Hall, U.S. Observatory, Washington, D.C.

848. Dr. Theo. G. Wormley, Prof. Chem. in the Med. Dep. of the University of Pennsylvania.

849. Dr. C. H. F. Peters, Prof. Astr., Hamilton Coll., N.Y.

850. Mr. Jas. C. Watson, Prof. Astr., Ann Arbor, Michigan.

851. Mr. Francis Andrew March, Prof. of Languages in Lafayette College, at Easton, Pennsylvania.

And the meeting was adjourned.